

Patent Abstracts of Japan

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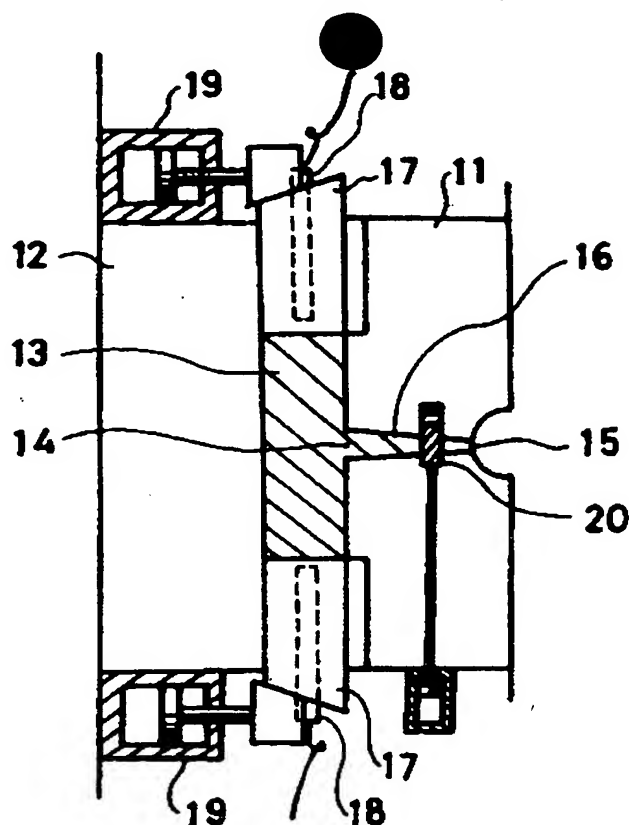
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TITLE : FORMING PROCESS FOR THICK
PLASTIC PRODUCTS AND ITS METAL
MOLD

ABSTRACT : PURPOSE: To obtain thick formed products without blow holes and shrinkage holes efficiently by following method in which a part of the cavity surface of metal molds with which a thick part of the plastic is in contact, is pressed with heating and then the temperature is lowered according to the pressure kept and the temperature cooled, in the process of keeping pressure and cooling for the melted plastic in metal molds.

CONSTITUTION: For instance, melted plastic is poured into the cavity 13 composed of a stationary mold 11 and a movable mold 12 by way of a gate 15, a spool 16 and a pouring port 14. The cavity is fully filled. A slide member 17 containing internally a heating device 18 (e.g. cartridge heater etc.) is prepared so that it is in contact with the thick part of resin. The pressure mechanism 19 of the slide member presses the plastic according to its volume contraction due to cooling and solidification of the plastic filled, thereby making the formed product without blow holes and shrinkage holes.

EFFECT: The forming cycle of the product is reduced.

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